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(71) Applicant: **Lo, Chiu-Hsiang**
Tan-Tz Taichung (TW)

(72) Inventor: **Lo, Chiu-Hsiang**
Tan-Tz Taichung (TW)

(74) Representative: **Lang, Christian et al**
LangPatent
Anwaltskanzlei
Rosenheimer Strasse 139
81671 München (DE)

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(54) **Electric wheel for electric vehicles**

(57) The present invention discloses an electric wheel for electric vehicles includes a rim (10), connecting members (11), a hub motor (30), a battery (40), and a control device (50). The connecting members (11) are connected to an inside of the rim (10) and the hub motor (30) is connected to the connecting members (11). The hub motor (30) includes a shaft, a rotor and a stator. The shaft is located on a central axis of the rim and two ends

of the shaft are fixed to a vehicle frame. The battery (40) is located on the rim and the control device (50) receives a wireless command signal and generating a control signal to control the battery (40) to provide power to the hub motor (30), and to allow the hub motor (30) to operate. The rim (11) is equipped with the battery (40) and the hub motor (30) and directly connected to the vehicle frame without wires connected to the vehicle frame.

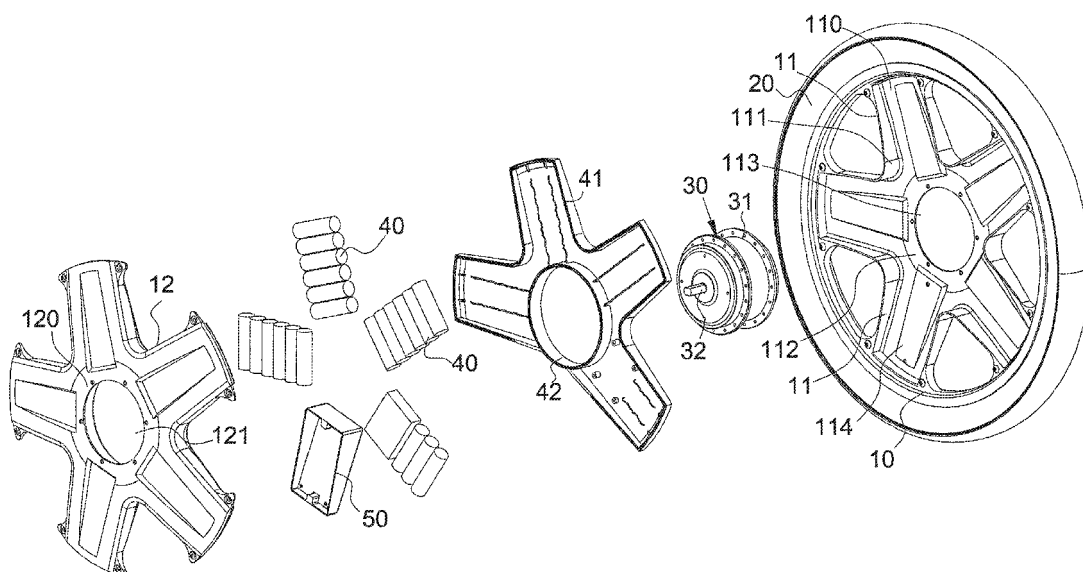


FIG. 1



EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* page 12, line 31 - page 14, line 33; figures 2,7 *	2-15	
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			TECHNICAL FIELDS SEARCHED (IPC)
			B62M B60K
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 December 2012	Examiner Denicolai, Giovanni
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 11 17 7521

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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